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PTO/SB/21 (09-06)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/692,644	
	Filing Date	10/24/2003	
	First Named Inventor	Sutardja, Sehat	
	Art Unit	2615	
	Examiner Name	Vivian C. Chin	
Total Number of Pages in This Submission		Attorney Docket Number	MP0062.I5

**ENCLOSURES (check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <b>PTO Form 1449 with 39 cited US Patent Document Refs. (not attached) and 7 Other Document Refs. (attached) and Return Postcard</b>		
<table border="1"><tr><td>Remarks</td><td>The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.</td></tr></table>			Remarks	The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.
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**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name	Michael D. Wiggins	Reg. No.	34,754
Signature					
Date	January 4, 2007				

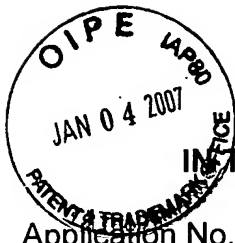
**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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1-5-07

Ifw

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 10/692,644  
Filing Date: 10/24/2003  
Applicant: Sutardja, Sehat  
Group Art Unit: 2615  
Examiner: Vivian C. Chin  
Title: Apparatus, Method, and Computer Program for Sprinkler Control  
Attorney Docket: MP0062.I5

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Director of the United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. **LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION**

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. **COPIES**

A. ☒ Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) each unpublished U.S. application listed below in Section IV (i.e., including the specification, claims, and any drawing of the application, or that portion of the application which caused it to be listed, including any claims directed to that portion), except for such applications filed on or after June 30, 2003, pursuant to the Waiver of the Copy Requirement in 37 C.F.R. 1.98 (OG Notice dated October 19, 2004); and (iv) all other information or that portion which caused it to be listed.

B. ☐ Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial Number

U.S. Filing Date

C. ☐ This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search report are listed on the attached Form 1449 for consideration by the Examiner and for listing on any patent resulting from this application. If the International Search report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g).)

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

A. ☒ Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).

B. ☐ A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):

1. ☐ See the attached foreign patent office communication from a counterpart foreign application:

2. ☐ English translations are provided:

3. ☐ Other:

C. ☐ The following additional information is provided for the Examiner's consideration.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A. ☒ The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does (do) not waive the confidentiality provisions of 35 U.S.C. § 122.

<u>Serial No.</u>	<u>Filing Date</u>	<u>Inventor(s)</u>
10/184,505	6/26/2002	Sehat Sutardja
10/184,302	6/26/2002	Sehat Sutardja
10/184,299	6/26/2002	Sehat Sutardja
10/703,034	11/5/2003	Sehat Sutardja et al

V. THIS IDS IS BEING FILED UNDER

A. ☒ **37 C.F.R. § 1.97(b):** (check only one box)

- ☐ within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
- ☐ within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
- ☒ before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
- ☐ before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.

B. ☐ **37 C.F.R. § 1.97(c):** (check only one box)

before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.

- ☐ No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
- ☐ See the certification below. No fee is required.

C. ☐ 37 C.F.R. § 1.97(d):

after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.

1. ☐ See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)

The undersigned hereby certifies that:

A. ☐ each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII, if applicable; or

B. ☐ no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).

C. ☐ some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 C.F.R. 1.704(d)

The undersigned hereby states that:

☐ each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.

VIII. PAYMENT OF FEES (check only one box, if applicable)

A. ☐ A check in the amount of \$180.00 is enclosed for the above-identified fee.

B. ☐ Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-identified fee. A duplicate copy of this paper is attached.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

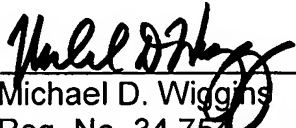
The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Respectfully submitted,

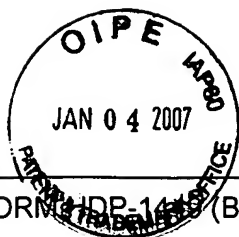
Dated: January 4, 2007

By: \_\_\_\_\_

  
Michael D. Wiggins  
Reg. No. 34,754

Harness, Dickey & Pierce, P.L.C.  
P.O. Box 828  
Bloomfield Hills, Michigan 48303  
(248) 641-1600

MDW/dls



FORM PTO-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE**  
**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

Sheet 1 of 2

ATTORNEY DOCKET NO.

MP0062.15

SERIAL No.

10/692,644

APPLICANT

Sutardja, Sehat

FILING DATE

10/24/2003

GROUP

2615

**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.		2002/0019925	2/2002	Dewhurst et al		
2.		2002/0167590	11/2002	Naidoo et al		
3.		2005/0128068	6/2005	Winick et al		
4.		3,878,514	4/1975	Faber, Ulbe		
5.		5,083,122	1/1992	Clark, Keith S.		
6.		5,479,151	12/1995	Lavelle et al		
7.		5,511,000	4/1996	Kaloi et al		
8.		5,552,766	9/1996	Lee et al		
9.		5,682,142	10/1997	Loosmore et al		
10.		5,687,325	11/1997	Chang, Web		
11.		5,724,475	3/1998	Kirsten, Jeff P.		
12.		5,727,231	3/1998	Bartley et al		
13.		5,818,389	10/1998	Lazar, Steven		
14.		5,825,202	10/1998	Tavana et al		
15.		5,880,775	3/1999	Ross, Jay B.		
16.		5,903,871	5/1999	Terui et al		
17.		6,111,580	8/2000	Kazama et al		
18.		6,118,269	9/2000	Davis, Glenn A.		
19.		6,181,994	1/2001	Colson et al		
20.		6,233,393	5/2001	Yanagihara et al		
21.		6,271,752	8/2001	Vaios, Christos I.		

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM HDP-1449 (Rev. 11/99) (Form PTO-1449)

**PATENT AND TRADEMARK OFFICE**  
**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

Sheet 1 of 4

ATTORNEY DOCKET NO.

MP0062.I5

SERIAL NO.

10/692,644

APPLICANT

Sutardja, Sehat

FILING DATE

10/24/2003

GROUP

2615

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1.		2002/0019925	2/2002	Dewhurst et al		
2.		2002/0167590	11/2002	Naidoo et al		
3.		2005/0128068	6/2005	Winick et al		
4.		3,878,514	4/1975	Faber, Ulbe		
5.		5,083,122	1/1992	Clark, Keith S.		
6.		5,479,151	12/1995	Lavelle et al		
7.		5,511,000	4/1996	Kaloi et al		
8.		5,552,766	9/1996	Lee et al		
9.		5,682,142	10/1997	Loosmore et al		
10.		5,687,325	11/1997	Chang, Web		
11.		5,724,475	3/1998	Kirsten, Jeff P.		
12.		5,727,231	3/1998	Bartley et al		
13.		5,818,389	10/1998	Lazar, Steven		
14.		5,825,202	10/1998	Tavana et al		
15.		5,880,775	3/1999	Ross, Jay B.		
16.		5,903,871	5/1999	Terui et al		
17.		6,111,580	8/2000	Kazama et al		
18.		6,118,269	9/2000	Davis, Glenn A.		
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20.		6,233,393	5/2001	Yanagihara et al		
21.		6,271,752	8/2001	Vaios, Christos I.		

Examiner:

Date Considered:

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<b>FORM HDP-1449 (Based on Form PTO-1449)</b>  <b>PATENT AND TRADEMARK OFFICE</b> <b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  Sheet 2 of 4	ATTORNEY DOCKET NO.	SERIAL No.
	MP0062.15	10/692,644
	APPLICANT	
	Sutardja, Sehat	
	FILING DATE	GROUP
	10/24/2003	2615

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
22.		6,281,790	8/2001	Kimmel et al		
23.		6,308,253	10/2001	Gadre et al		
24.		6,332,175	12/2001	Birrell et al		
25.		6,334,025	12/2001	Yamagami, Taku		
26.		6,389,423	5/2002	Sakakura, Takashi		
27.		6,441,731	8/2002	Hess, Brian K.		
28.		6,476,858	11/2002	Ramirez Diaz et al		
29.		6,516,039	2/2003	Taura et al		
30.		6,553,404	4/2003	Stern, Michael R.		
31.		6,624,750	9/2003	Marman et al		
32.		6,671,343	12/2003	Ito, Tsugio		
33.		6,697,103	2/2004	Fernandez et al		
34.		6,727,811	4/2004	Fendis, Gregory		
35.		6,763,182	7/2004	Endo et al		
36.		6,772,212	8/2004	Lau et al		
37.		6,867,683	3/2005	Calvesio et al		
38.		6,970,081	11/2005	Cheng, Doreen Y.		
39.		6,975,220	12/2005	Foodman et al		

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM HDP-1449 (Based on Form PTO-1449)</b>  <b>PATENT AND TRADEMARK OFFICE</b> <b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  Sheet 3 of 4	ATTORNEY DOCKET NO.	SERIAL No.
	MP0062.15	10/692,644
	APPLICANT	
	Sutardja, Sehat	
	FILING DATE	GROUP
	10/24/2003	2615

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.							

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
1.		IEEE P802.11i/D10.0, April 2004 (Amendment to ANSI/IEEE Std 802.11-1999 (2003 Reaff) edition as amended by IEEE Std 802.11g-2003 and IEEE Std 802.11h-2003); IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements; Part 11: Wireless Medium Access Control (MAC) and Physical Layer (PHY) specifications: Amendment 6: Medium Access Control (MAC) Security Enhancements; LAN/MAN Committee of the IEEE Computer Society; 184 pages
2.		ANSI/IEEE Std 802.11, 1999 Edition; Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications; LAN/MAN Standards Committee of the IEEE Computer Society; 528 pages
3.		IEEE Std 802.11a-1999 (Supplement to IEEE Std 802.11-1999) [Adopted by ISO/IEC and redesignated as ISO/IEC 8802-11: 1999/Amd 1:2000(E)]; Supplement to IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications High-speed Physical Layer in the 5 GHz Band; LAN/MAN Standards Committee of the IEEE Computer Society; 91 pages

Examiner:	Date Considered:
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<b>FORM HDP-1449 (Based on Form PTO-1449)</b>  <b>PATENT AND TRADEMARK OFFICE</b> <b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  Sheet 4 of 4	ATTORNEY DOCKET NO.	SERIAL NO.
	MP0062.I5	10/692,644
	APPLICANT	
	Sutardja, Sehat	
	FILING DATE	GROUP
	10/24/2003	2615

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
4.		IEEE Std 802.11b-1999 (Supplement to IEEE Std 802.11-1999 Edition); Supplement to IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Higher-Speed Physical Layer Extension in the 2.4 GHz Band; LAN/MAN Standards Committee of the IEEE Computer Society; September 16, 1999 IEEE-SA Standards Board; 96 pages.
5.		IEEE Std 802.11b-1999/Cor 1-2001 (Corrigendum to IEEE Std 802.11-1999); IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications Amendment 2: Higher-Speed Physical Layer (PHY) extension in the 2.4 GHz Band - Corrigendum 1; LAN/MAN Standards Committee of the IEEE Computer Society; November 7, 2001; 24 pages.
6.		IEEE P802.11g/D8.2, Apr 2003 (Supplement to ANSI/IEEE Std 802.11-1999(Reaff 2003)); DRAFT Supplement to STANDARD [for] Information Technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Further Higher Data Rate Extension in the 2.4 GHz Band; LAN/MAN Standards Committee of the IEEE Computer Society; 69 pages.
7.		IEEE Std 802.11h - 2003 (Amendment to IEEE Std 802.11, 1999 Edition (Reaff 2003)); as amended by IEEE Stds 802.11a-1999, 802.11b-1999, 802.11b-1999/Cor 1-2001, 802.11d-2001, and 802.11g-2003; IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications Amendment 5: Spectrum and Transmit Power Management Extensions in the 5 GHz band in Europe; IEEE Computer Society LAN/MAN Standards Committee; October 14, 2003; 74 pages.

Examiner:	Date Considered:
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